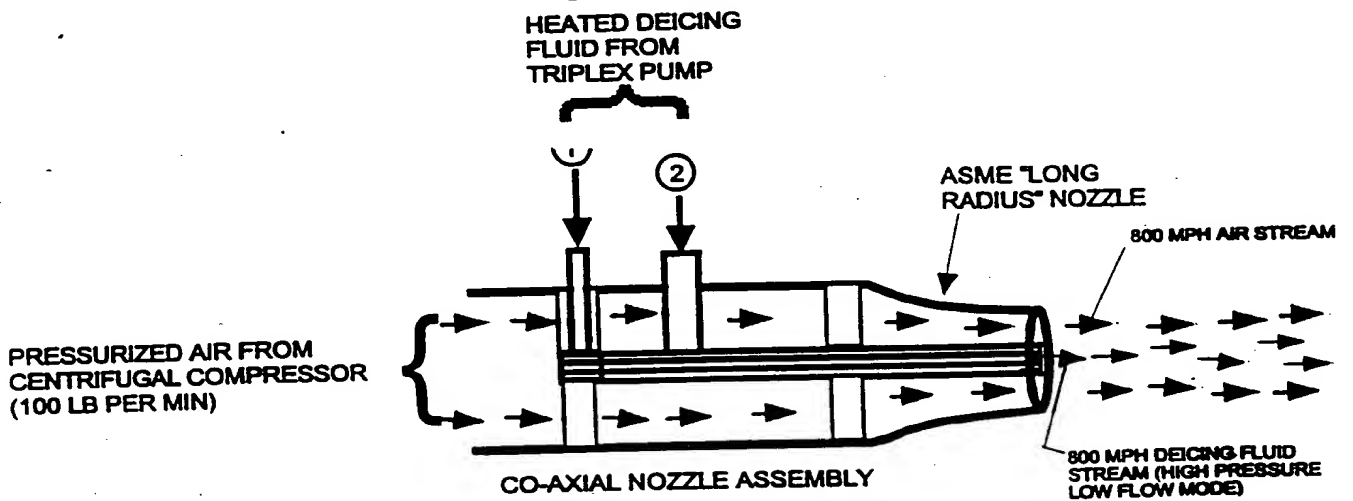
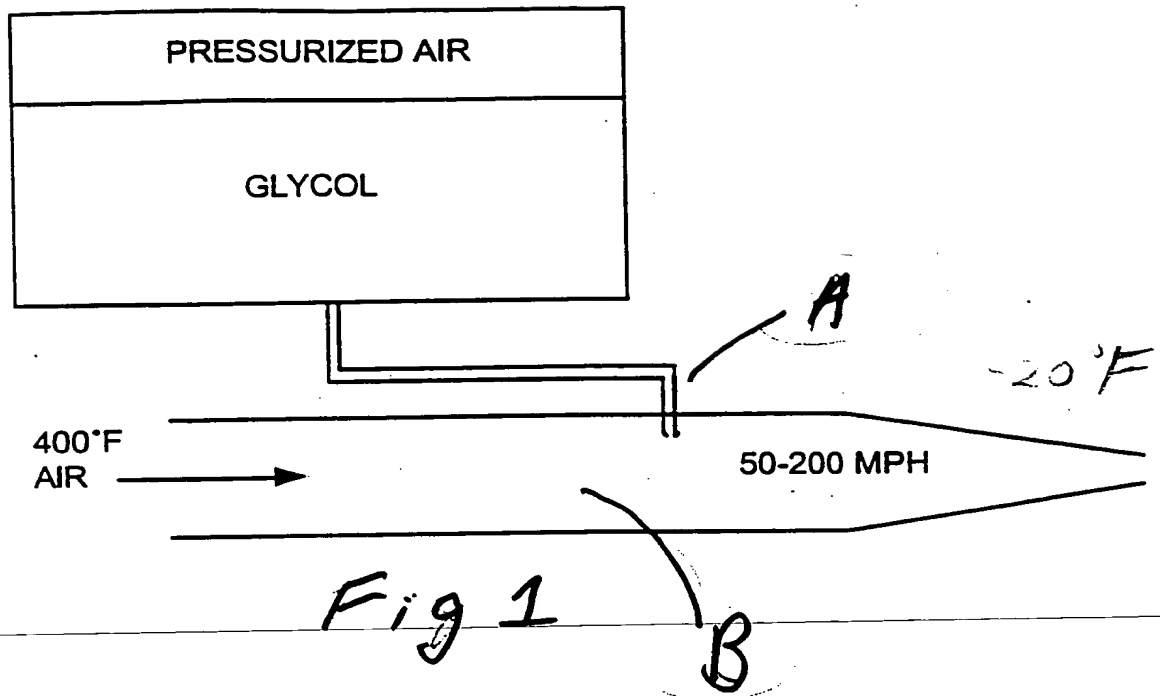


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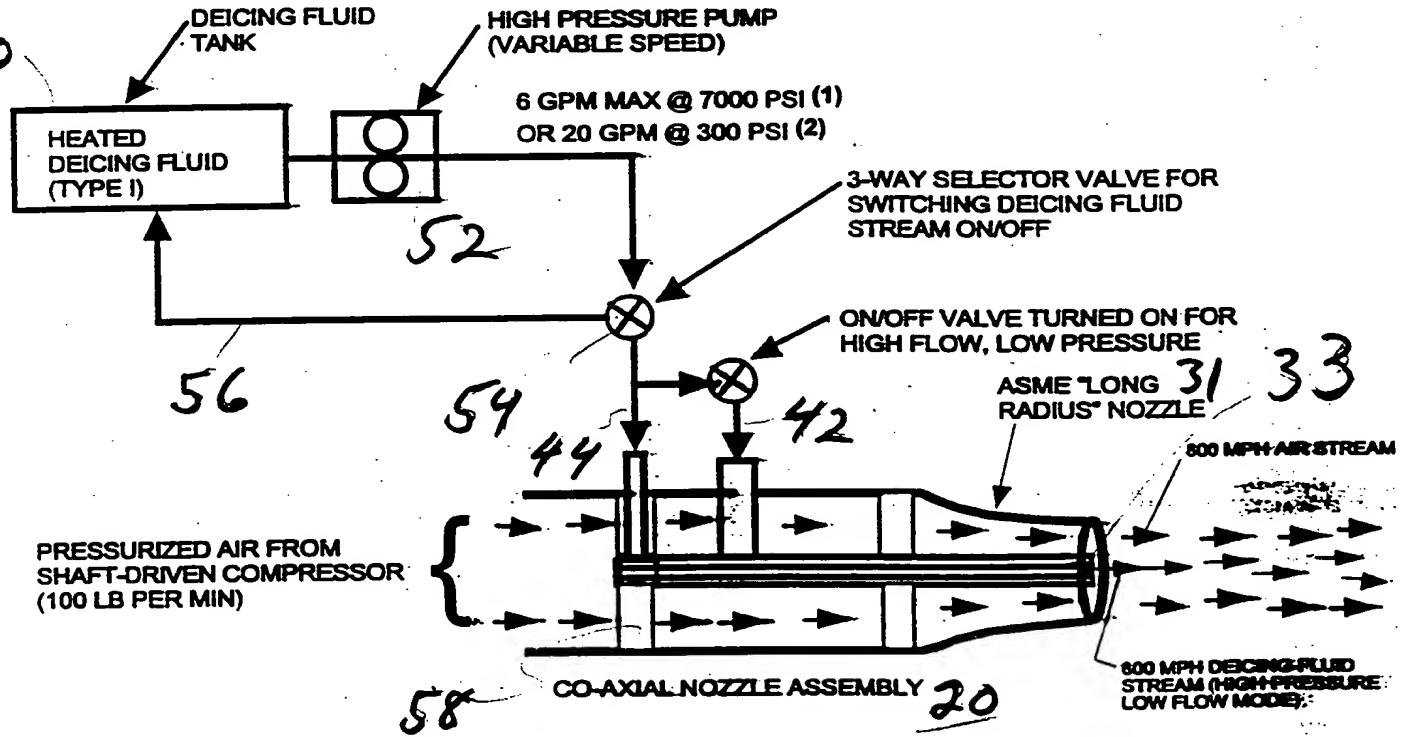
hard ice removal
high flow (20 gpm), low
pressure deicing fluid
flows through these
annular orifices

most deicing conditions
low flow (6 gpm), high
pressure deicing fluid
flows through this 0.060
inch diameter orifice



Fig 3

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002700 E9004960



- 1) HIGH PRESSURE/LOW FLOW MODE (MOST DEICING CONDITIONS)
- 2) LOW PRESSURE/HIGH FLOW MODE (HARD, THICK ICE)

Fig 4

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3 of 5

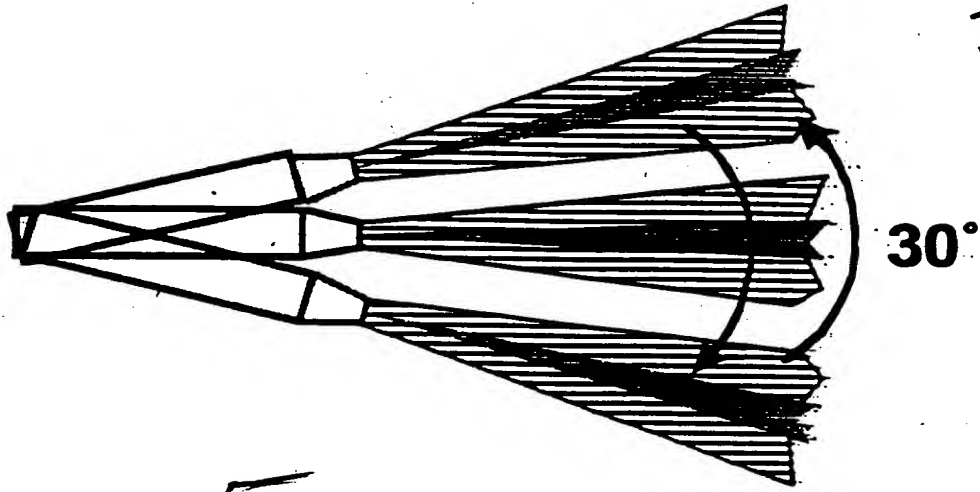
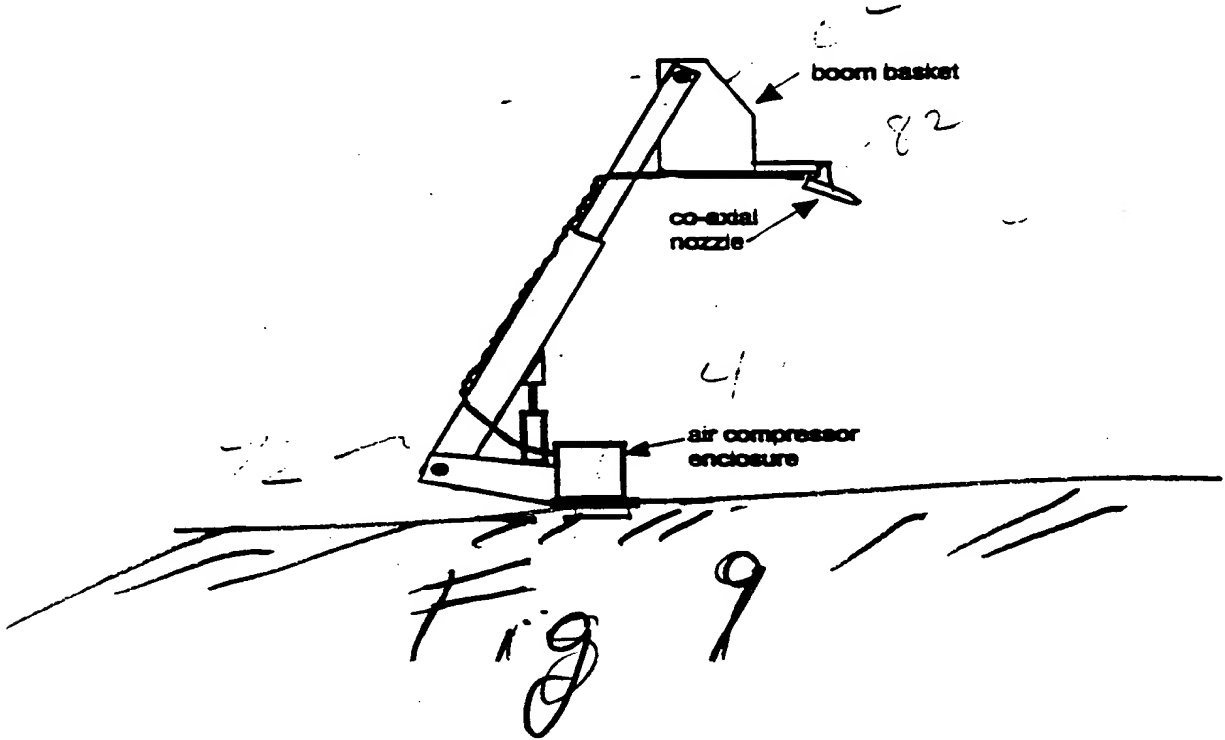


Fig 5

004780" E9004960



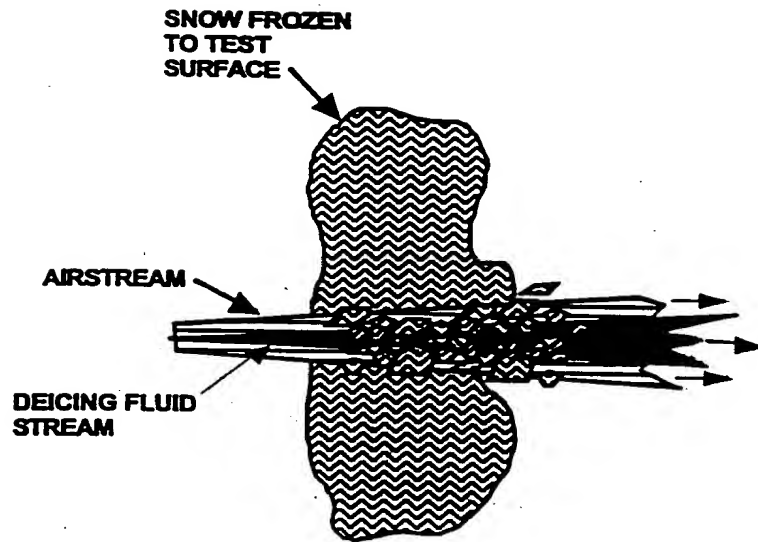


Fig. 6a. Frozen Snow Removal Process. *The concentrated energy of the inner deicing fluid stream breaks loose the frozen snow.*

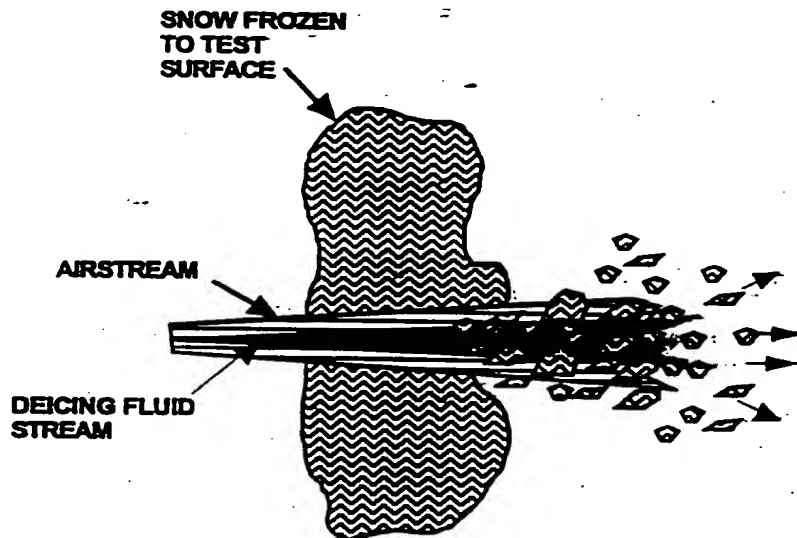


Fig. 6b. Frozen Snow Removal Process. *Both fluid streams work in concert to sweep away the loosened frozen snow.*

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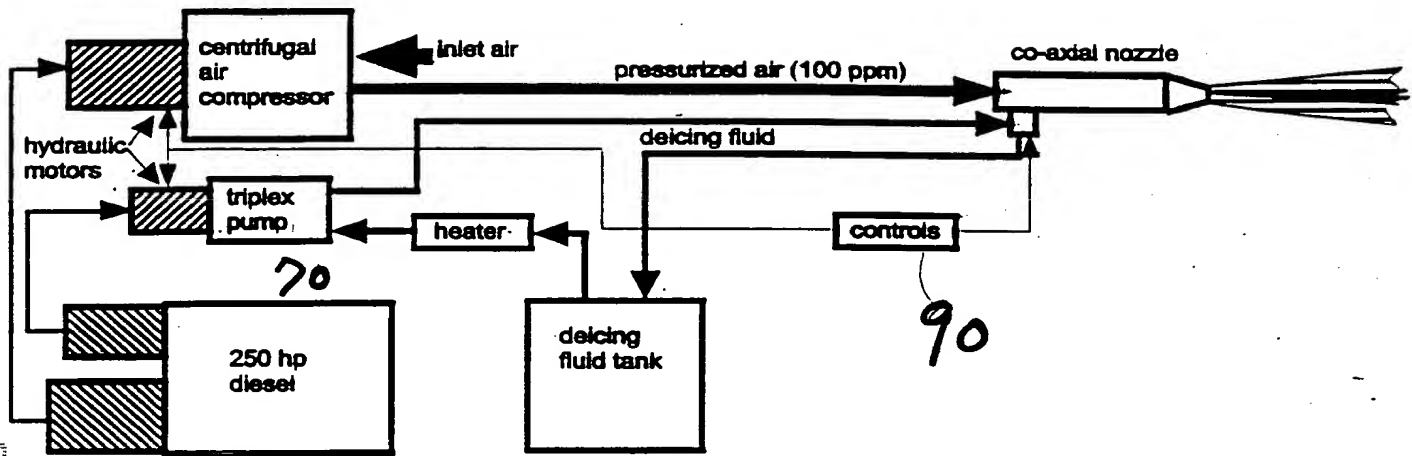


Fig 7

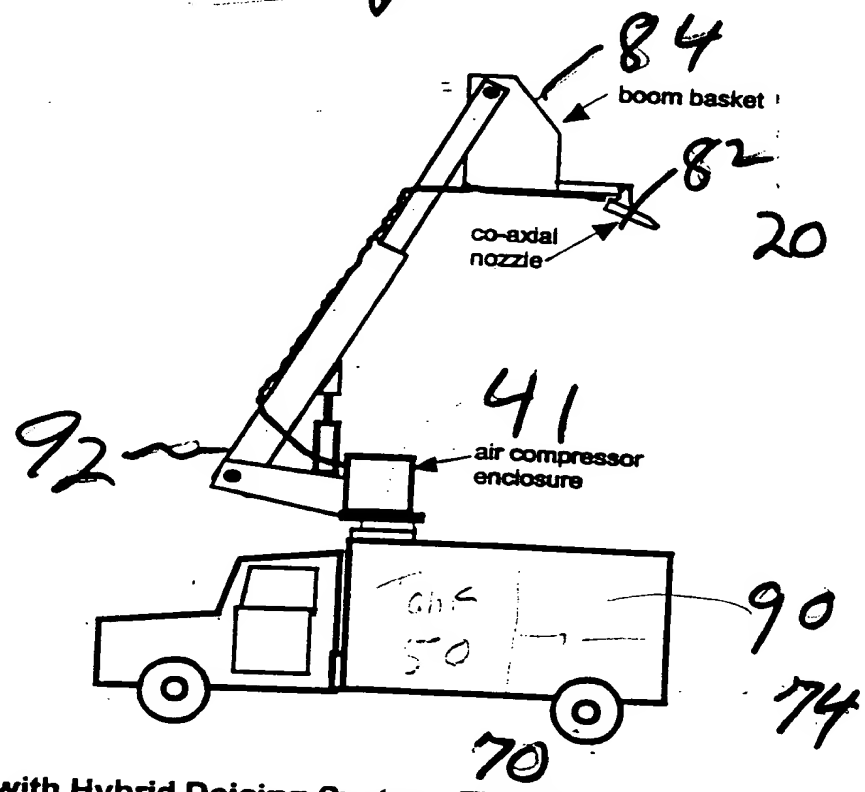


Fig. 8. Deicer Truck with Hybrid Deicing System. The compactness of the air compressor allow it to be located at th base of the deicing boom.

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